Name of Work : Maintenance of Borewell in Ward No.12 Shetty Halli

					Estimated Cost					20.00	Lakhs
Sl No	Item code	Description Of item of work	Nos		Measurements Length	Breath	Depth	Quantity	Units	Rate	Amount
1		2	3	4	5	6	7	8	9	10	11
1	12.33 (D)	Providing, Rewinding of submersible pumpsets with copper insulation wire suitable gauge Including opening and refitting after repair, removal of submersible pumpset and refixing in position at work site with all labour lead lift all equipment, transportation as per instructions of Engineer incharge of work as per ISI specifiction with guarantee period of not less than 6 months (RWS SR 19-20 I NO: 12.33(D) P NO 133								156 (1.12)	4424 4744 5218.4
	Rewinding of motor of 10 HP (D)		7	1				7.00			
					Total Qty			7.00	Job	4902.80	34,319.60
		Basic Rate	4760.0								
		A.W 3%	142.8								
		TOTAL RATE	4902.8								
2	12.33.1(A)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(A) P NO 134)									
	(a)Pump bowls		3	20				60.00			
					Total Qty			60.00	Each	836.36	50,181.60
		Basic Rate	812.0						185		654
		A.W 3%	24.36						2.1 (P020A)		65.4
		TOTAL RATE	836.4								719.4
3	12.33.1(B)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(B) P NO 134)									
	(B)Intermidiate piece(I.P) with I.P for leaded bronze bush		3	1				3.00			
					Total Qty			3.00	Each	749.84	2,249.52
		Basic Rate	728.0							185	738
		A.W 3%	21.84							2.2	73.8
		TOTAL RATE	749.8								811.8
4	12.33.1(C)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(C) P NO 134)									
	(C)Oil seal		3	30				90.00			
					Total Qty			90.00	Each	176.13	15,851.70
		Basic Rate	171.0							185	169
		A.W 3%	5.13							2.3	16.9
		TOTAL RATE	176.1								185.9
5	12.33.1(D)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(D) P NO 134)									
	(D)Oil seal steel bush		3	30				90.00			
					Total Qty			90.00	Each	176.13	15,851.70
		Basic Rate	171.0							185	169
		A.W 3%	5.13							(2.3)	16.9
		TOTAL RATE	176.1								185.9
6	12.33.1(E)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(E) P NO 134)									

Sl No	Item code	Description Of item of work	Nos		Measurements			Quantity	Units	Rate	Amount
					Length	Breath	Depth				
1		2	3	4	5	6	7	8	9	10	11
	(D)Guide vane		3	2				6.00			
						Total Qty		6.00	Each	463.50	2,781.00
		Basic Rate	450.0						185		380
		A.W 3%	13.5						2.5 (P020E)		38.0
		TOTAL RATE	463.5								418
7	12.33.1 (F)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(F) P NO 134)									
	(D)Impeller shell moulded with alluminium & bronze		3	30				90.00			
						Total Qty		90.00	Each	702.46	63,221.40
		Basic Rate	682.0						185		580
		A.W 3%	20.46						(2.6)		58.
		TOTAL RATE	702.5								638
8	12.33.1 (G)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(G) P NO 134)									
	(G)Dishcharge outlet(D.O) Bearing and D.O Steel bush		3	2				6.00			
						Total Qty		6.00	Each	659.20	3,955.20
		Basic Rate	640.0						185		685
		A.W 3%	19.2						(2.7)		68.5
		TOTAL RATE	659.2								753.5
9	12.33.1 (H)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(H) P NO 134)									
	(H)D.O Bearing		3	2				6.00			
						Total Qty		6.00	Each	659.20	3,955.20
		Basic Rate	640.0						185		685
		A.W 3%	19.2						(2.7)		68.5
		TOTAL RATE	659.2								753.5
10	12.33.1 (I)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(I) P NO 134)									
	(I)Steel bush (D.O steel bush)		3	2				6.00			
						Total Qty		6.00	Each	219.39	1,316.34
		Basic Rate	213.0						186		211
		A.W 3%	6.39						2.8		21.1
		TOTAL RATE	219.4								232.1
11	12.33.1 (J)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(J) P NO 134)									
	(J)Allen screw		3	2				6.00			
						Total Qty		6.00	Each	1059.87	6,359.22
		Basic Rate	1029.0						186		685+68.5
		A.W 3%	30.87						2.9		753.5
		TOTAL RATE	1059.9								
12	12.33.1 (K)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(K) P NO 134)									
	(J)Pump shaft (Stainless Steel)Counter less ground wit key way upto 8 stages		3	1				3.00			

Sl No	Item code	Description Of item of work	Nos		Measurements			Quantity	Units	Rate	Amount
					Length	Breath	Depth				
12		2	3	4	5	6	7	8	9	10	11
						Total Qty		3.00	Each	1059.87	3,179.61
		Basic Rate	1029.0						187		1213
		A.W 3%	30.87						2.11		121.3
		TOTAL RATE	1059.9								1334.3
13	12.33.1 (L)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(L) P NO 134)									
		(L)Pump key (Stainless Steel)	3	30				90.00			
						Total Qty		90.00	Each	316.21	28,458.90
		Basic Rate	307.0						187		264
		A.W 3%	9.21						2.11		26.4
		TOTAL RATE	316.2								290.4
14	12.33.1 (M)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(M) P NO 134)									
		(M)Pump coupling (Stainless)	3	1				3.00			
						Total Qty		3.00	Each	1705.68	5,117.04
		Basic Rate	1656.0						187		1213
		A.W 3%	49.68						2.12		121.3
		TOTAL RATE	1705.7								1334.3
15	12.33.1 (N)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(N) P NO 134)									
		(N) Non return (NRV) assembly complete with rubber "0"	3	2				6.00			
						Total Qty		6.00	Each	324.45	1,946.70
		Basic Rate	315.0						187		580
		A.W 3%	9.45						2.13		58
		TOTAL RATE	324.5								638
16	12.33.1 (O)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(O) P NO 134)									
		(O) Cable guard	3	2				6.00			
						Total Qty		6.00	Each	324.45	1,946.70
		Basic Rate	315.0						187		865
		A.W 3%	9.45						2.14		86.5
		TOTAL RATE	324.5								951.5
17	12.33.1 (P)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(P) P NO 134)									
		(P) Stainer	3	1				3.00			
						Total Qty		3.00	Each	297.67	893.01
		Basic Rate	289.0						187		316
		A.W 3%	8.67						2.15		31.6
		TOTAL RATE	297.7								347.6
18	12.33.1 (Q)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(Q) P NO 134)									
		(Q)Brass Filter	3	1				3.00			
						Total Qty		3.00	Each	655.08	1,965.24

Sl No	Item code	Description Of item of work	Nos	Measurements			Quantity	Units	Rate	Amount
				Length	Breath	Depth				
1		2	3 4	5	6	7	8	9	10	11
		Basic Rate	636.0						187	474
		A.W 3%	19.08						2.16	47.4
		TOTAL RATE	655.1							521.4
19	12.33.1 (R)	Replacing of pump parts. The following main componenets of submersible pumpsets requirng replacements as per ISI specifiction with guarantee period of not less than 12 months (RWS SR 19-20 I NO: 12.33.1(R) P NO 134)								
		(R)Labour Charges (Overhauling only)	3 1				3.00			
				Total Qty			3.00	Each	504.70	1,514.10
		Basic Rate	490.0						187	65.4
		A.W 3%	14.7						2.16	65.4
		TOTAL RATE	504.7							719.4
20	12.34 (H)	Providing and Replacing of Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad(RWS SR 19-20 I NO: 12.34(H) P NO 135)								
		(H)Transportation of pumping machinery	3 1				3.00			
				Total Qty			3.00	Each	569.59	1,708.77
		Basic Rate	553.00						186	485
		A.W 3%	16.59						3.17	48.5
		TOTAL RATE	569.6							533.5
21	12.34 (i)	Providing and Replacing of Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad(RWS SR 19-20 I NO: 12.34(i) P NO 135)								
		(i)Transportation of pumping machinery	3 1				3.00			
				Total Qty			3.00	Each	1117.55	3,352.65
		Basic Rate	1085.00						186	843
		A.W 3%	32.55						3.19	84.3
		TOTAL RATE	1117.6							927.3
22	12.34 (i)	Providing and Replacing of Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad(RWS SR 19-20 I NO: 12.34(i) P NO 135)								
		(i)Re-errection charges of pumping machinery including overhouling and painting	3 1				3.00			
				Total Qty			3.00	Each	1762.33	5,286.99
		Basic Rate	1711.00						186	1423
		A.W 3%	51.33						3.19	142.3
		TOTAL RATE	1762.3							1565.3
23	2.6.4	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990.3C X 6.0Sq.mm.(ELECTRICAL SR 2019-20 P-07/I. NO 2.6.4)								
			1 2	500.00			1,000.00			
				Total Qty			1000.00	Rmtr	205.00	205,000.00
		Basic Rate	205.00						190	290
		A.W 0%	0						22.5	29.0
		TOTAL RATE	205.0							319

Sl No	Item code	Description Of item of work	Nos		Measurements			Quantity	Units	Rate	Amount
					Length	Breath	Depth				
1		2	3	4	5	6	7	8	9	10	11
24	10.04.3 (f)	Supplying,laying,jointing ,testing and commissioning of G.I. Pipes conforming to IS 1239:1990 with latest amendments, including fixing Collars, Elbows, Tees, bends, Glad Cocks and other Fittings (Excluding Cost of Specials) with Cuts and Threads wherever necessary including conveying the materials to workspot, including testing for water tightness with all lead and lifts etc complete :Class-C (HEAVY) 50mm (Contractor shall make his own arrangements for procuring water for testing) (RWS SR 2019-20, Item No.10.04.3(f))									
			1	2	245.00			490.00			
						Total Qty		490.00	Rmtr	476.89	233,676.10
		Basic Rate	463.00								
		A.W 3%	13.89								
		TOTAL RATE	476.89								
25	-	50 mm dia GI Collar (PWD SR 2018-19 Pg No.XLVII Sl. No.2)									
			1	300				300.00			
						Total Qty		300.00	No.s	185.40	55,620.00
		Basic Rate	180.00							172	2.19
		A.W 3%	5.4							6.5	21.9
		TOTAL RATE	185.40								540.5
26	2.6.4	Supplying and delivery at site brand new star/Essen/Lotus/Sun-Shines/Adarsh/ G.K.Controls Best Indigenous make combined energy meter-cum-**control panel board** unit minimum mechanically strong suitable for operation on 3HP 50HZ 380/440 Volts AC supply with spring loaded latch locking Device with a key Ribbs should be provided. contron panal board unit suitable for operation on 3HP 50HZ 380/440 Volts AC shall be consists Etc. complete the panal board shall be fabricated in single unit in the above components panal board suitable pump set 10HP to 20HP with stae delta starter out door panel board up to 20HP (SR PWD 2018-19 P. No. XLVII/13)									
			2	1				2.00			
						Total Qty		2.00	No	21630.00	43,260.00
		Basic Rate	21000.00								
		A.W 3%	630								
		TOTAL RATE	21630.0								
27	SL No-44	Supplying and delivery of Submersible Pump Sets of 150mm dia suitable for bore well and confirming to IS 8034 specifications and its latest ammendments, 3-Phase, SS Bowl and impeller with low volt motor with testing as per instructions of Engineer incharge of work.15HP/11KV 35 STAGE (SR KPWD SR 2019-20, Page No-XLII , SL No-44)									
			2	1				2.00			
						Total Qty		2.00	No	69755.72	139,511.44
		Basic Rate	67724.00								
		A.W 3%	2031.72								
		TOTAL RATE	69755.7								
28	12.16	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work.(SR RDWS&S 2019-20, Pg No.130 I No. 12.16)									
			3	1				3.00			

Sl No	Item code	Description Of item of work	Nos		Measurements Length	Breath	Depth	Quantity	Units	Rate	Amount
		2	3	4	5	6	7	8	9	10	11
1					Total Qty			3.00	No	5819.50	17,458.50
		Basic Rate	5650.00								
		A.W 3%	169.5								
		TOTAL RATE	5819.5								
29	2.4	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5. (P.No. 5/I.No. 2.4 of CSR 2018-19)									
			1	4	210.00	0.60	0.90	453.60			
					Total Qty			453.60	Cum	475.94	215,886.38
		Basic Rate	449.00								
		A.W 6%	26.94								
		TOTAL RATE	475.94								
30	10.02.1 ©	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete. PVC PIPES OF 6 Kg./Cm2. 63mm(0.662) (RWS SR 2019-20, Item No. 10.02.1(a))									
			1	4	210.00			840.00			
					Total Qty			840.00	No	164.30	138,012.00
		Basic Rate	155.00								
		A.W 6%	9.3								
		TOTAL RATE	164.30								
31	4.3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.3 of PWD SR 2018-19)									
			1	4	210.00	0.60	0.15	75.60			
					Total Qty			75.60	No	5479.67	414,263.05
		Basic Rate	5169.50					6442/-			
		A.W 6%	310.17				174	644.2			
		TOTAL RATE	5479.67				20.28	7,086.2/			
32	2.10	KSRB 2.3 : Filling available excavated earth ('excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. (P 6 it 2.10)									
			1	4	210.00	0.60	0.60	302.40			
					Total Qty			302.40	No	213.06	64,429.34
		Basic Rate	201.00								
		A.W 6%	12.06								
		TOTAL RATE	213.06								
		Sub Total									1782529.01

Sl No	Item code	Description Of item of work	Nos		Length	Breath	Depth	Quantity	Units	Rate	Amount
		2	3	4	5	6	7	8	9	10	11
		Add GST 12%									213903.48
		Misc. & Rounding off									3567.51
		Total Amount									2000000.00
		(Rupees Twenty Lakhs Only)									

ATE

1 *Certified that The work spot has been inspected by me and the work is necessary & site condition*
2 *Certified that the work is not split up*
3 *Certified that the estimate is preapred based on PW,P&IWTD Bangalore Circle CSR of 2018-19, RWS SR 19-20*
4 *Certified that Adequate & necessary provisions have made in the estimate.*
5 *Certified that the above area comes under BBMP limit*
6 *Certified that this Work is not included in any other work taken up*

Assistant Engineer
Ward 12

Assistant Executive Engineer
Shettyhalli Sub- Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P

Technically Sanctione for Rs. 20.00 Lakhs
Rs In words Twenty Lakhs Only
Under P-1802
Job Code No
Registered as EE No 74/21-22 Subject
to conditions contained in Enclosed Memo
No EE/DD/TS/74/21-22 Dt 13/01/22
AE/JE
Executive Engineer

ADMINISTRATIVELY SANCTIONED FOR
(Rupees Twenty Lakhs Only
Under the Head of Account P-1802
Registered as no EE(D.D.)/AS.167 Subject
to conditions contained in Enclosed Memo
No EE/DD/AS/167/21-22 Dt: 13/01/22
JE/AE
Exe. Eng
(DASARAHALLI) BBMP